

Percentage of an Amount 1

1. Draw a line to match each calculation with the correct visual representation and answer.

<p>A. 50% of 400cm</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="4" style="text-align: center; padding: 5px;">4m</td> </tr> <tr> <td style="text-align: center; padding: 5px;">25%</td> <td style="text-align: center; padding: 5px;">25%</td> <td style="text-align: center; padding: 5px;">25%</td> <td style="text-align: center; padding: 5px;">25%</td> </tr> </table>	4m				25%	25%	25%	25%	40cm												
4m																						
25%	25%	25%	25%																			
<p>B. 25% of 4m</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="10" style="text-align: center; padding: 5px;">400cm</td> </tr> <tr> <td style="text-align: center; padding: 5px;">10%</td> <td style="text-align: center; padding: 5px;">10%</td> <td style="text-align: center; padding: 5px;">10%</td> <td style="text-align: center; padding: 5px;">10%</td> <td style="text-align: center; padding: 5px;">10%</td> <td style="text-align: center; padding: 5px;">10%</td> <td style="text-align: center; padding: 5px;">10%</td> <td style="text-align: center; padding: 5px;">10%</td> <td style="text-align: center; padding: 5px;">10%</td> <td style="text-align: center; padding: 5px;">10%</td> </tr> </table>	400cm										10%	10%	10%	10%	10%	10%	10%	10%	10%	10%	1m
400cm																						
10%	10%	10%	10%	10%	10%	10%	10%	10%	10%													
<p>C. 10% of 400cm</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="2" style="text-align: center; padding: 5px;">400cm</td> </tr> <tr> <td style="text-align: center; padding: 5px;">50%</td> <td style="text-align: center; padding: 5px;">50%</td> </tr> </table>	400cm		50%	50%	200cm																
400cm																						
50%	50%																					

2. Decide whether the statements below are correct. If incorrect, explain why.

A. 1% of 600 is equivalent to $\frac{1}{100}$ of 600. To calculate the answer, I must divide 600 by 100. The answer is 60.

B. 50% of 70 is equivalent to $\frac{1}{2}$ of 70. To calculate the answer, I must divide 70 by 2. The answer is 35.

C. 25% of 164 is equivalent to $\frac{1}{4}$ of 164. To calculate the answer, I must divide 164 by 2. The answer is 82.

3. The front suspension, turbo-boost bike normally costs £460. There is currently 25% off everything in the shop.

Aito says,



I think the bike will cost £115 in the sale.

Polly says,



I think the bike will cost £345 in the sale.

Who is correct? Prove it.